

Cotton
Western U.S.

DuPont™ Steward® EC

insecticide

Proven control of armyworm and cabbage looper with Lygus suppression in an improved, easier-to-use formulation

Many cotton growers counted on DuPont™ Steward® insecticide to keep armyworm, cabbage looper, cotton bollworm, cotton fleahopper, Lygus bugs and other key insects from attacking their profits. Unfortunately, handling and mixing headaches may have left some wondering if the reliable performance is worth all the fuss. Now, these concerns are a thing of the past. You can get the performance you've come to expect from Steward® in a new formulation that mixes readily for easier handling, faster cleanup and optimal results.

The benefits of using Steward® EC ...

DuPont™ Steward® EC insecticide delivers the reliable performance growers have come to expect from Steward®:

- **Newer, proven class of chemistry:** Indoxacarb (oxadiazine class) — novel mode of action, acts by inhibiting the sodium-ion entry into nerve cells, resulting in paralysis and death. Primary exposure is through ingestion, with some contact activity for increased control levels and moderate residual activity.
- **Goes to work quickly:** Insects stop feeding within zero to four hours after ingestion, pest knockdown follows within one to two days.

- **Superior rainfastness:** Steward® EC will resist washoff once dried. Under most conditions, drying will occur approximately two hours after application.
- **Minimal impact to most beneficial insects* and predators** when used in accordance with the label.
- **Short re-crop interval:** Indoxacarb labeled crops may be planted immediately following harvest. Do not plant for food or feed, any other crops not registered for use with indoxacarb for 30 days after last use.
- **Short preharvest interval:** Only 14 days for cotton.
- **Ideal resistance management tool:** Excellent fit in Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programs.

... in a new, hassle-free formulation

Steward® EC has been formulated to help eliminate mixing, handling and cleanup issues:

- **Optimal performance:** Steward® EC contains both an oil solvent and a surfactant package that provides good leaf-wetting and surfactant characteristics optimal for excellent crop protection.



- **Simply open and pour:** Offered as a clear solution that does not need to be shaken, just open the container and pour contents into the tank.
- **Add to water:** Once poured into water, the Steward® EC formulation blooms into a white, cloudy emulsion and rapidly and completely disperses in the spray tank with minimal agitation in hard or soft water.
- **No product to dissolve:** The active ingredient, indoxacarb, is completely dissolved in the formulation and there are no particles to resuspend.
- **Mixes readily:** When mixed in the spray tank it forms fine droplets in soft or hard water and easily emulsifies with little agitation.
- **Easier restart after a delay:** If agitation must be stopped for more than a few hours before the spray tank is emptied, a creamy layer may form on the surface. The Steward® EC formulation alone or with tank-mix partners will easily re-emulsify with agitation.
- **Faster cleanup:** Containers easily rinse with water, compared to oil-based SC formulation.

* This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Low impact on honeybees after spray has dried.

How to get the best results

- Apply DuPont™ Steward® EC at a rate of 6.7 to 11.3 ounces per acre.
- When applied at a rate of 9.2 to 11.3 ounces per acre, Steward® EC will provide control of beet armyworm, fall armyworm, cotton fleahopper, western yellowstriped armyworm and suppression of Lygus bugs. Steward® EC will control cotton bollworm when applied at a rate of 11.3 ounces, and cabbage looper when applied at a rate of 6.7 to 9.2 ounces per acre.
- For the most effective control of cotton bollworm, applications of Steward® EC should be made when the majority of the population is within the time of blackhead egg stage to egg hatch.
- A single application of Steward® EC will provide control of light to moderate populations of cotton fleahopper. Heavy populations may require multiple applications.
- For the most effective control, fields should be scouted twice per week with application timing based on locally determined economic thresholds.
- The minimum interval between treatments is 5 days.
- Do not apply more than 45 fluid ounces of Steward® EC (0.44 pound ai) per acre per crop.
- To assess the optimum performance of Steward® EC, it is advisable to evaluate pest populations three or more days after treatment.
- In some situations where coverage is difficult to achieve, such as closed canopy, dense foliage or less than optimum application equipment, the addition of an adjuvant may improve performance.

For more information

Contact your local DuPont crop protection retailer or DuPont representative for more information about new DuPont™ Steward® EC insecticide. And visit us on the Web at steward.dupont.com.

This reference guide is not intended as a substitute for the product label for the products referenced herein. Product labels for the above products contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label at the time of application. Always read and follow all label directions and precautions for use.

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